

STOMACH TROUBLE FOR FIVE YEARS

Majority of Friends Thought Mr. Hughes Would Die, But One Helped Him to Recovery.

Fomeroyton, Ky.—In interesting advice from this place, Mr. A. J. Hughes writes as follows: "I was down with stomach trouble for five (5) years, and would have sick headache so bad, at times, that I thought surely I would die. I tried different treatments, but they did not seem to do me any good.

I got so bad, I could not eat or sleep, and all my friends, except one, thought I would die. He advised me to try Thedford's Black-Draught, and quit

taking other medicines. I decided to take his advice, although I did not have any confidence in it.

I have now been taking Black-Draught for three months, and it has cured me—haven't had those awful sick headaches since I began using it.

I am so thankful for what Black-Draught has done for me."

Thedford's Black-Draught has been found a very valuable medicine for derangements of the stomach and liver. It is composed of pure, vegetable herbs, contains no dangerous ingredients, and acts gently, yet surely. It can be freely used by young and old, and should be kept in every family chest.

Get a package today. Only a quarter.



"That's the third time this morning. I can't wait a moment longer on that fellow. Let me see—what is Smith's number?"

"If Jones won't provide sufficient telephone facilities for his customers, he can't blame me for dealing elsewhere. Operator, give me 437."

How do you know this very occurrence doesn't happen with your single telephone. Have an auxiliary line; the cost is trifling. Call the business Office today.

CUMBERLAND TELEPHONE
& TELEGRAPH COMPANY
INCORPORATED

BOX 285, JACKSON, TENNESSEE.

SHORT COURSE IN AGRICULTURE

Seventeenth Annual Course
Will be Held on Farm of
University of Tenn.

SOILS, FERTILIZERS AND CROPS

All or Part of the Work May Be Taken By the Student—Course Is Free, and Open to Men and Women, Old and Young—Instruction Given By Lectures, Demonstrations and Practice.

The seventeenth annual short course in agriculture will be held on the farm of the University of Tennessee, Knoxville, from January 3 to February 26. The first month will be devoted to soils, fertilizers and crops, and live stock; the second month will be devoted to dairying and fruit and truck growing. All or any part of this work may be taken by the student. The course is free, and is open to men and women, old and young.

There is an excellent corps of teachers in the College of Agriculture. The instruction is given by lectures, demonstrations and practice. The experimental plots and the different classes of live stock on the University Farm are used to illustrate the points brought out in the lectures. During the last week in January, the Annual Midwinter Fat Stock Show is held at the University Farm, and the animals shown are available for use in stock judging classes.

This is a comparatively dull season on the farm, and the time devoted to the course could not be more profitably spent; for the short course means to the farmer that besides learning lessons of economy he will ascertain how he may increase his profits through improved methods of agriculture. Every side of farm life is touched upon in the short course.

The railroads will give reduced rates to the short course. Board and lodging in private houses costs about \$4.00 or \$4.50 a week. The University makes no charge whatever for the instruction given, so that the necessary outlay is exceedingly small for the benefit to be derived from the short course.

THIRD MIDWINTER FAT STOCK SHOW

Will Be Held at the University of Tennessee January 24th to 29th.

Plans have been made for the holding of the Third Midwinter Fat Stock Show at the University Farm, Knoxville, during the week of January 24-29. This show has now passed beyond the experimental stage. Last year's show exceeded the expectations of those who had it in charge.

The object of the show is to encourage farmers of Tennessee to show such fat animals as they may be intending to finish and sell on the winter market, or at least to show the best animals they are fattening during the winter. It is a show that the average man can compete in. Registered animals are not needed. Any animal that shows one or more crosses of any pure breed may compete for premiums. The primary object of the show is to create an interest in grade cattle, sheep and hogs among farmers of this state.

The show is a splendid school for the young feeder who wishes to learn the best types and the best methods of finishing cattle for the market and for show purposes. Practice in fitting animals is excellent training for the boys of the farm; and it leads them toward the farm instead of away from it, and educates them in the right kind of farming.

The judges will be disinterested men who are thoroughly competent to pass on the animals.

Begin now to fit your animals for the show, and write to the Animal Husbandry Department, University of Tennessee, Knoxville, at an early date and let them know what animals you wish to enter.

CAN WILD ONIONS BE ERADICATED?

(By J. C. McAmis, Division of Extension, University of Tennessee.)

"Can wild onions be eradicated?" This question is frequently asked. If an affirmative reply is given, it is usually received with serious doubts, and often with ridicule.

The United States Department of Agriculture, in its Weekly News Letter of November 3, says that they can, and points the way. The essential measure of the recommendation is late fall plowing for winter grains. The result is to destroy the fall crop of onions, if completely turned under. Unfortunately there is also a spring crop of onions.

The Tennessee Experiment Station has found that, in order to destroy both crops, the land must not only be turned in late October, or early November, but must be rebroken in late February, or in early March. In each case the plowing must be done before the side bulbs have been formed. It may be necessary to continue for more than one season, and follow with summer crop.

It necessarily excludes the use of a winter crop. Expensive? Yes, but so are the onions.

NOW IS THE TIME TO SPRAY ORCHARD

When Infestation is Slight the Scale is Hard to Detect— Multiplication Rapid

REMEDY FOR SAN JOSE SCALE

Before Spraying Prune Badly Infested Trees Heavily—The Trees Have Been Greatly Weakened in Vitality by the Insects—Cut All Dead Branches—Give Thorough Spraying.

(By Chas. A. Keffer, Division of Extension, University of Tennessee.)

If the orchard is badly infested with San Jose scale, spray now. The scale is difficult to detect when the infestation is slight; but the insect multiplies rapidly, and when a tree is badly infested the trouble is easily recognized; the leaves drop prematurely, the bark takes on an ash coloring, and many branches die. Close examination reveals a coating of tiny scales all over the branches, one can scrape them off with finger nail or knife. When very few scale are present the single insect looks much like a breathing pore on the bark of the young shoots, though darker colored; it is surrounded by a reddish colored ring of bark, the discolor being caused by the insect.

In cases of slight infestation spraying can be deferred until March, but where the limbs are incrustated two sprayings should be applied; one in late fall or early winter, and a second as the buds are swelling, usually in late March.

The best remedy for San Jose scale is lime-sulphur solution. This solution can be bought of any druggist, or made at home. It is troublesome to make and the preparation has been so standardized that a reliable article is on the market. For best results the solution as purchased should be diluted one to nine; to one gallon of the solution add nine gallons of water.

Before spraying prune badly infested trees heavily. The trees have been greatly weakened in vitality by the insects, and as only those insects are destroyed that are covered by the spray a heavy pruning will leave much less surface to be covered. Cut out all dead branches. When the crown of the tree has been headed back, go over it to remove any small projecting shoots, so that nothing will escape a thorough spraying. Keep the nozzle moving as you work. Spray the under side of the branches as well as the upper side. Do a thorough job; don't be afraid of wasting a little of the solution, it is cheap.

Every orchard of a dozen trees should have a barrel spraying outfit; there are strong hand lever pumps that are much superior to the ordinary barrel sprayer for summer use, but for work against the San Jose scale the barrel outfit is effective. Even a small bucket pump, if used thoroughly or heavily pruned trees, will accomplish wonders.

San Jose scale has killed thousands of trees in Tennessee. If it is in your orchard spray the trees or cut them down. Do not leave them unsprayed to spread the scale in your neighborhood. Spray now.

SELLING A THICK CREAM

(By G. A. Gilbert, U. S. Department of Agriculture.)

Whenever cream is sold on the basis of butter fat it contains, there are many advantages of separating it so that it tests from 30% to 40%, rather than from 20% to 30%. One should understand first that a good separator takes the fat out of the milk just as completely when it is set for a thick cream as when set to separate a thin cream. We may look at it in this way—all the fat is thrown out of the cream spout of the separator in either case, and the test of the cream depends upon the amount of skim milk that comes out with the fat to dilute it.

So in separating a thick cream more skim milk is left on the farm for feeding, in a year's time this will amount to considerable extra skim milk.

With a thick cream there is less to handle, haul to the creamery, or ship. Fifty pounds of 40% cream contains as much fat as 100 pounds of 20% cream. Besides, it means smaller or less cream cans. Cream should be cooled immediately after separating. A thick cream is less bulky, so requires less cold water or ice, and the cooling is easier and more quickly accomplished.

A thick cream can be delivered to the creamery in better condition. It is well known that it is easier to keep high-testing cream sweet, and one can win a reputation of always bringing in a nice quality cream.

Aside from the advantages to the farmer, the creameryman always prefers a thick cream. It enables him to make better butter, and to make it at less cost. This in itself finally results to the advantage of the patron. The creameryman and patron should cooperate in every way possible, and there is no way by which the patron can help the buttermaker, and at the same time directly benefit himself, than by selling a thick cream.

Dress in Comfort

ON THESE chilly raw mornings just touch a match to a PERFECTION OIL HEATER and in five minutes the bathroom is as warm as toast.

Why suffer from cold when this inexpensive "portable fire-place" is always ready to make things cozy and warm in bedroom, sitting room—all over the house?

You can get the most out of your Perfection Heater if you use

STANOCOLA BURNING OIL

It is the smokeless and odorless burning oil. One gallon of Stanocola gives 10 hours of comfort. Best for all domestic uses.

STANDARD OIL CO. OF LA.
MEMPHIS NASHVILLE CHATTANOOGA KNOXVILLE

Insist on the PERFECTION OIL HEATER and look for the Triangle Trademark. If your dealer cannot supply you, write us direct.

Highest Award Panama-Pacific Exposition



PERFECTION SMOKELESS OIL HEATERS

1847 ROGERS BROS.
"Silver Plate that Wears"

Silver Of Proven Quality

Rich design and refined beauty in knives, forks, spoons and fancy serving pieces are not attributes of solid silverware alone. The skill born of long experience has produced in the famous 1847 ROGERS BROS. silver plate effects in pattern and design which make its name for beauty second only to its reputation for quality—"Silver Plate that Wears."

Sold by leading dealers everywhere. Send for catalogue "CL," showing all patterns.

INTERNATIONAL SILVER CO.,
Successor to Meriden Britannia Co.
MERIDEN, CONN.

W. C. KNIGHT & CO. COTTON FACTORS

22 S. FRONT ST., MEMPHIS

We solicit your consignments and are prepared to make liberal advances. Expert classification, prompt sales at best market prices, and reasonable charges.

Staple and Bender Cotton a Specialty.

Stark Bro's Fruits

Announcing their
100th Year

How to Grow Bigger Crops of Superb Fruit—FREE

YOU need this practical, expert information. Whether you own or intend to plant a few trees or a thousand, it is information that will save you time, labor and money. Get it! Simply send us your name and address on the coupon—or on a postal, if you prefer.

We will gladly mail you a free copy of our New Catalog—an 11 x 8 in. book that is simply packed with hints that will enable you to secure bumper crops of finest fruit—and sell them at top market prices. The whole book is filled with facts that will interest and instruct you—facts about how fruit-growers everywhere are getting prodigious crops and large cash profits from crops of young, healthy, growing Stark Bro's trees—facts that emphasize the truth of the axiom "Stark Trees Bear Fruit." Beautiful life-size, natural-color photos of leading fruits all through the book. Send for your copy today!

Stark Bro's Nurseries at Louisiana, Mo.

Read it and learn about the new fruit tree triumph of Stark Bro's long Century of Success—the "Double-Life!"



Stark Bro's
At Louisiana Mo.
Since 1816.

Grimes Golden—the true development that results "collar rot." Get the New Facts about "Stark Delicious," Stark Early Elberta, and all the latest peaches, Stark Bro's grown, J. H. Hale Peaches, also Lincoln Pear, Stark Montmorency Cherry, Mammoth Gold Plum and all the other famous Stark Bro's fruits, berries and ornamentals.

Get Our New Catalog FREE 11 x 8 inches—filled from cover to cover with beautiful photographs. Mail us the coupon or a postal, enclosing your name and address.

Send me at once, postpaid, your New Catalog, free! I will how fruit-growers are making record-breaking profits.

I expect to plant..... trees

Name.....

P. O.

State.....

DR. GEO. R. WHITE, President and Veterinary Director (Formerly State Veterinarian of Tennessee) WHITE SERUM COMPANY MANUFACTURERS AND DISTRIBUTORS OF POTENT AND TESTED ANTI-HOG-CHOLERA SERUM We do not sell TAIL BLEED SERUM

TELEPHONE MAIN 2300 Write for Literature 1214 ADAMS ST., NASHVILLE, TENN.